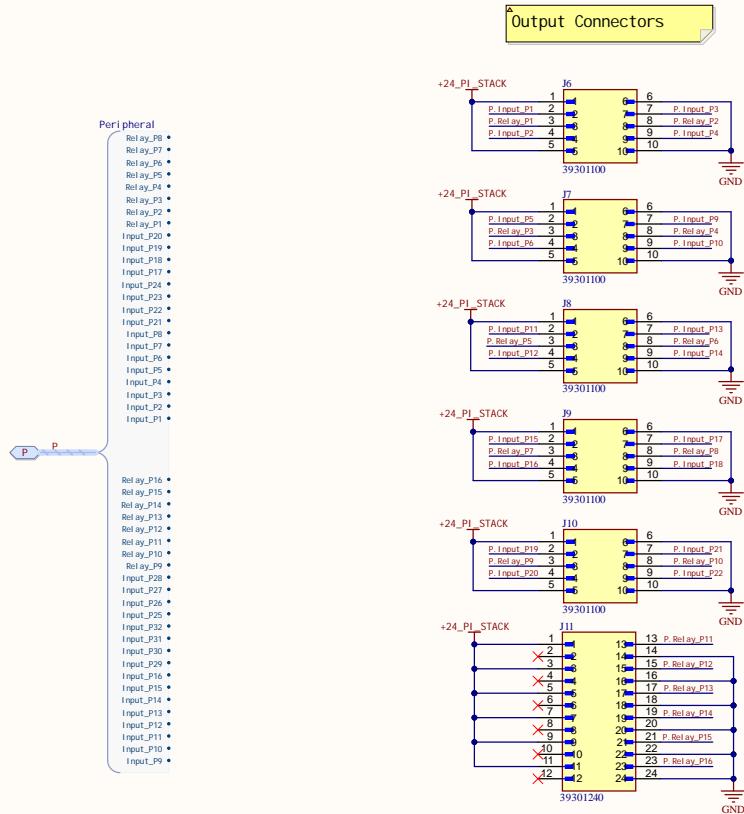


FABRIC8LABS

PROJECT NAME:	Pump Skid Emulator	
PART NUMBER:	G30-EB1720	REVISION: Rev 1
SHEET NAME:	Pump Skid Emulator Rev 2_Top.SchDoc	
DATE:	8/6/2025	DRAWN BY: Liam Lahar SHEET: 1 OF 13



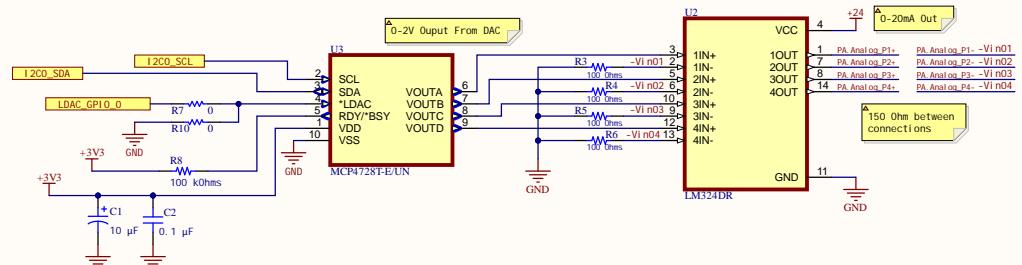
FABRIC8LABS

PROJECT NAME:	Pump Skid Emulator	
PART NUMBER:	G30-EB1720	REVISION: Rev 1
SHEET NAME:	Output_Connectors.SchDoc	
DATE:	8/6/2025	DRAWN BY: Liam Lahar
		SHEET: 2 OF 13

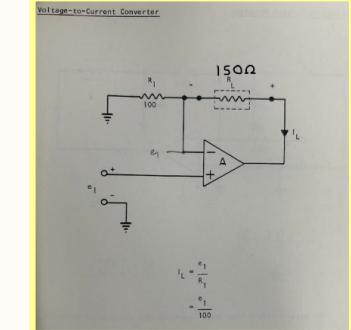
A

**4 - 20mA Output Supply Peripheral**

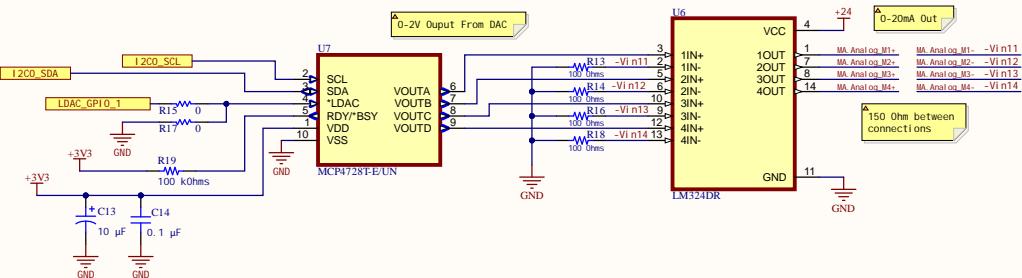
PA PA  
MA MA



**Industrial 10 hat input resistance = 150 Ohms**



B

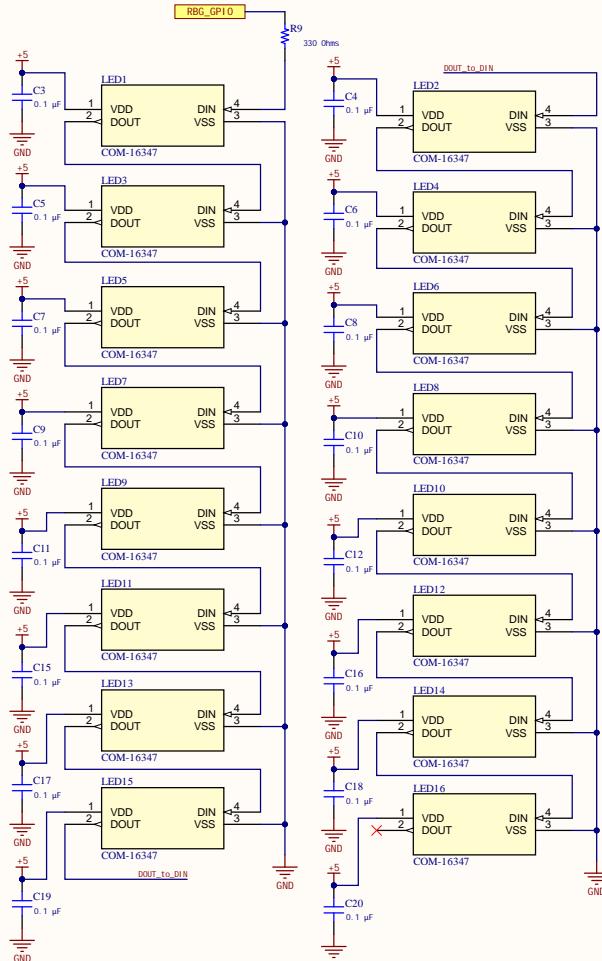
**4 - 20mA Output Supply Main**

C

**FABRIC8LABS**

PROJECT NAME:	Pump Skid Emulator	
PART NUMBER:	G30-EB1720	REVISION: Rev 1
SHEET NAME:	4mA-20mA_sensor_outputs.SchDoc	
DATE:	8/6/2025	DRAWN BY: Liam Lahar
		SHEET: 3 OF 13

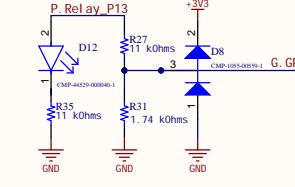
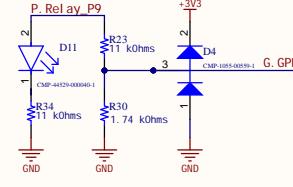
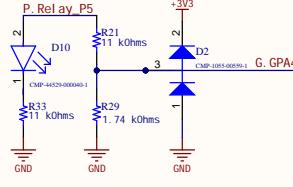
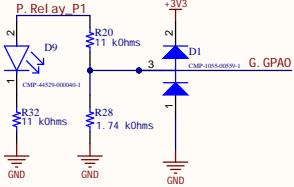
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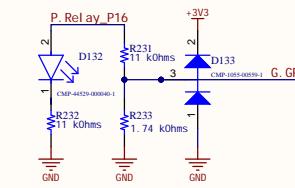
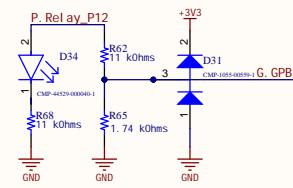
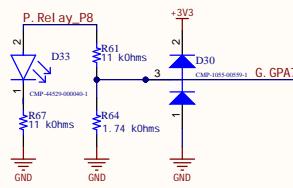
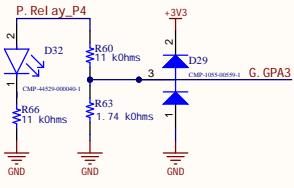
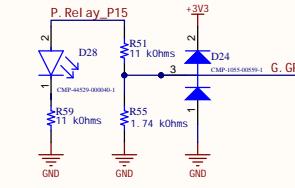
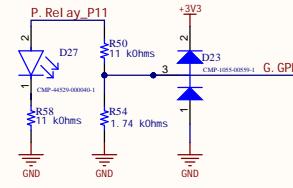
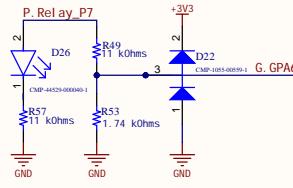
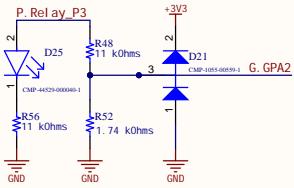
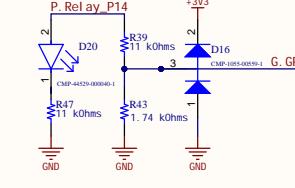
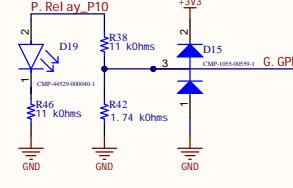
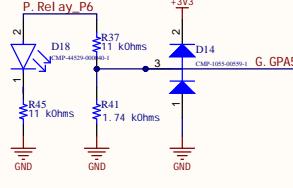
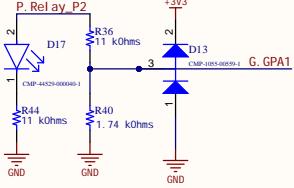
FABRIC8LABS

PROJECT NAME:	Pump Skid Emulator	REVISION:
PART NUMBER:	G30-EB1720	Rev 1
SHEET NAME:	RBG_LEDs.SchDoc	
DATE:	8/6/2025	DRAWN BY: Liam Lahar

A

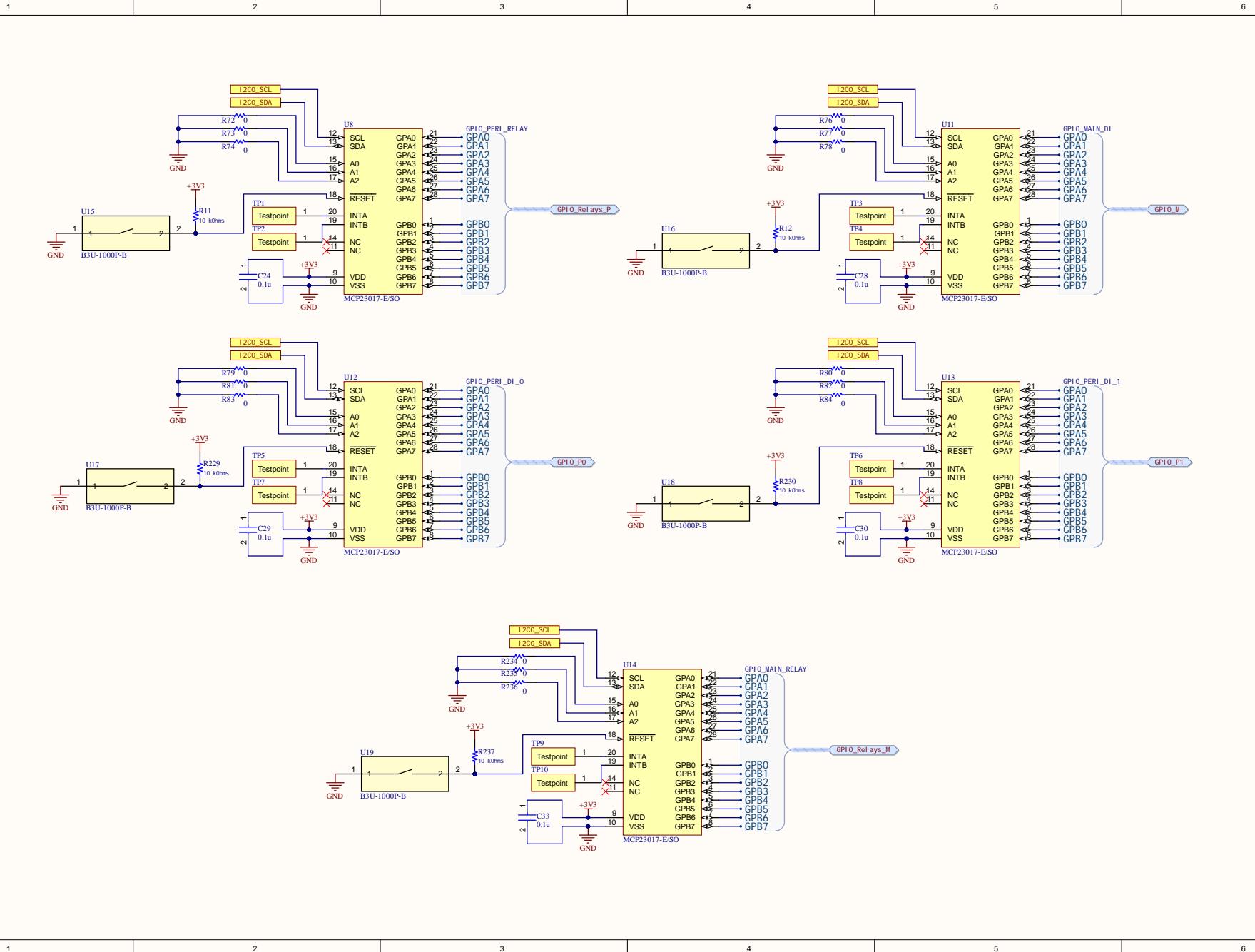


P. Relays\_P

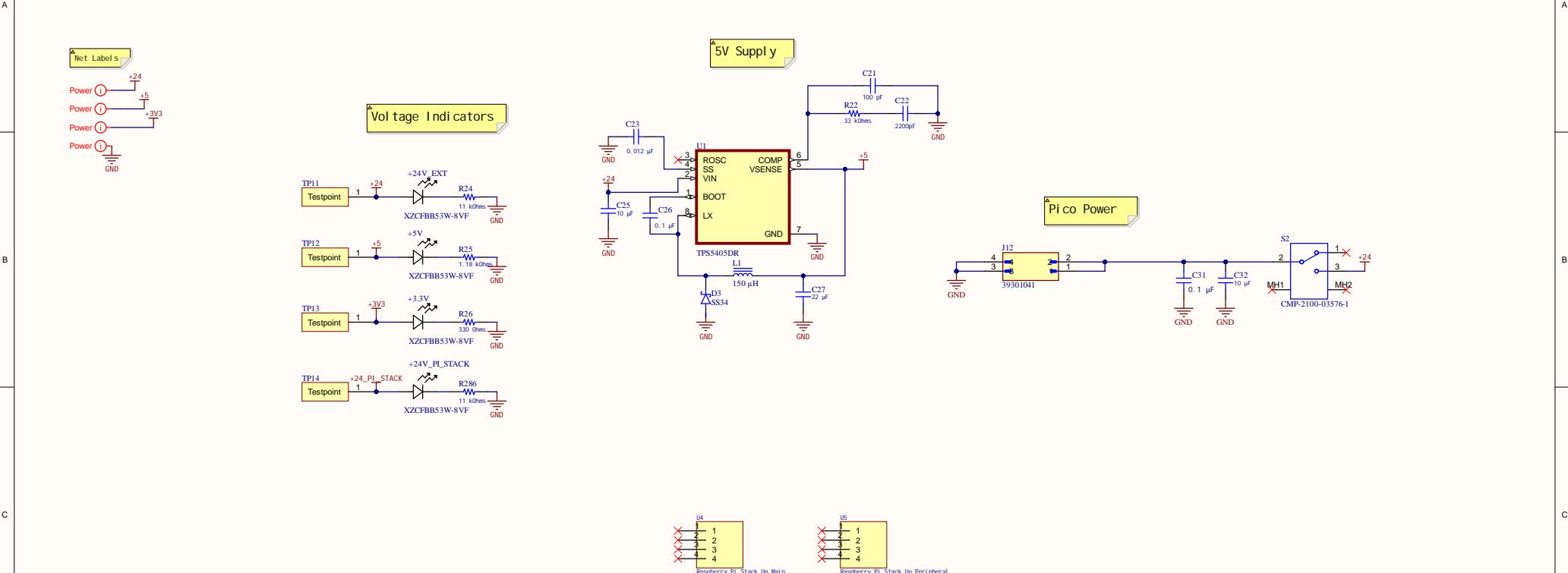


## FABRIC8LABS

PROJECT NAME:	Pump Skid Emulator	
PART NUMBER:	G30-EB1720	REVISION: Rev 1
SHEET NAME:	Relay_Perception_Peripheral.SchDoc	
DATE:	8/6/2025	DRAWN BY: Liam Lahar SHEET: 5 OF 13



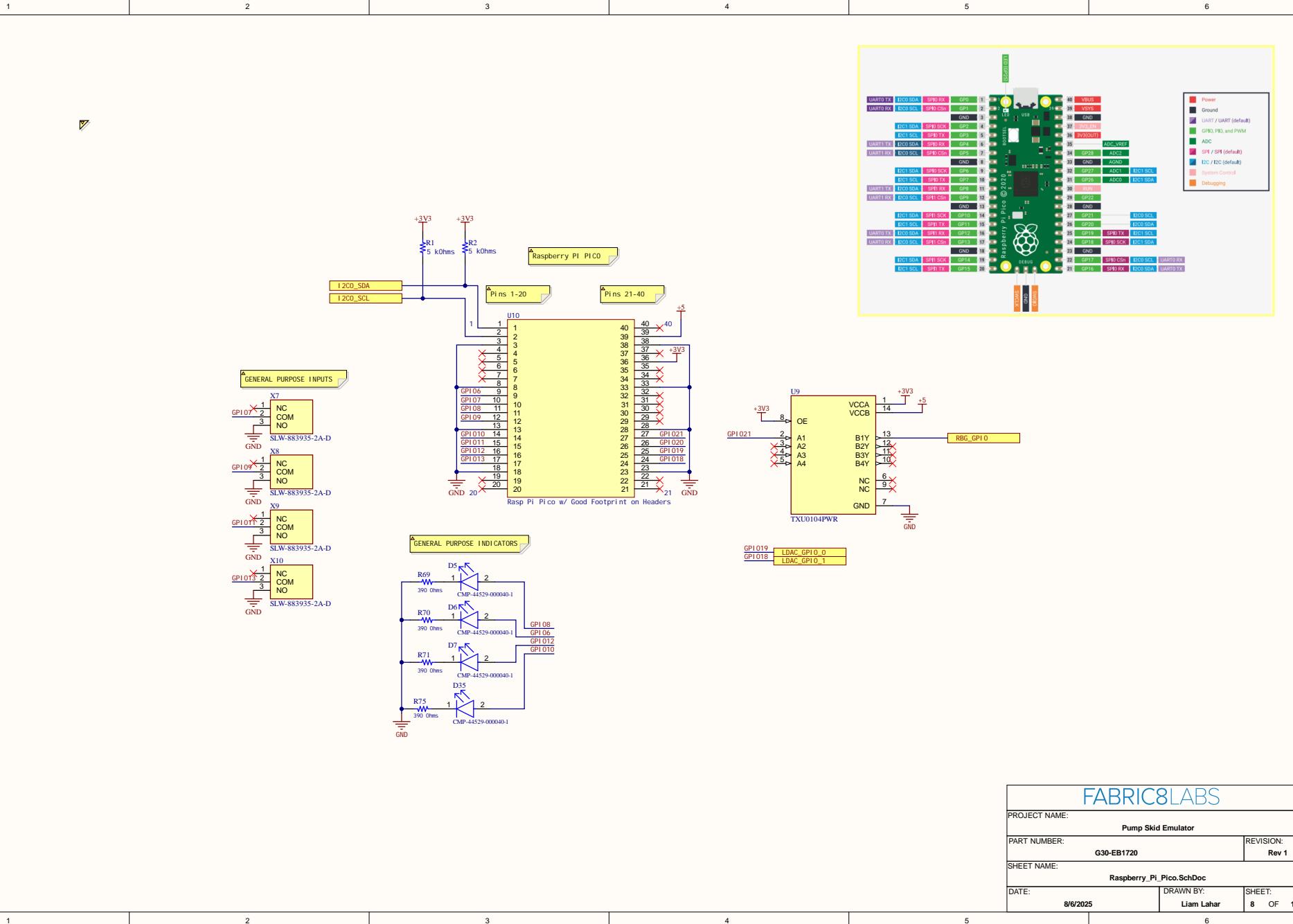
1 2 3 4 5 6



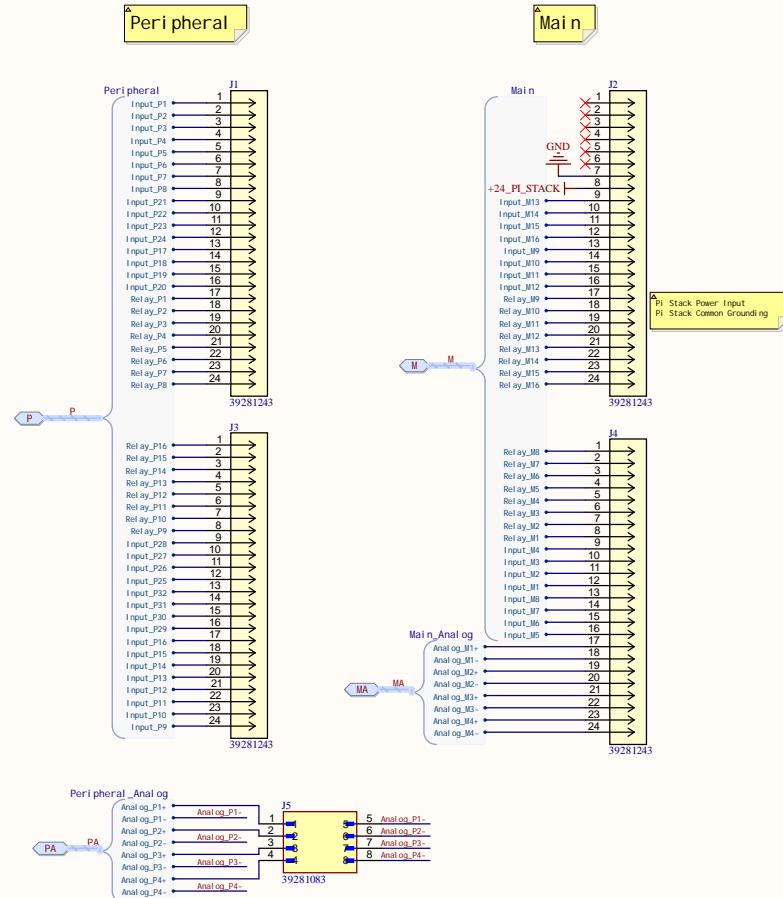
FABRIC8LABS

PROJECT NAME:	Pump Skid Emulator	
PART NUMBER:	G30-EB1720	REVISION: Rev 1
SHEET NAME:	Power.SchDoc	
DATE:	8/8/2025	DRAWN BY: Liam Lahar
		SHEET: 7 OF 13

1 2 3 4 5 6

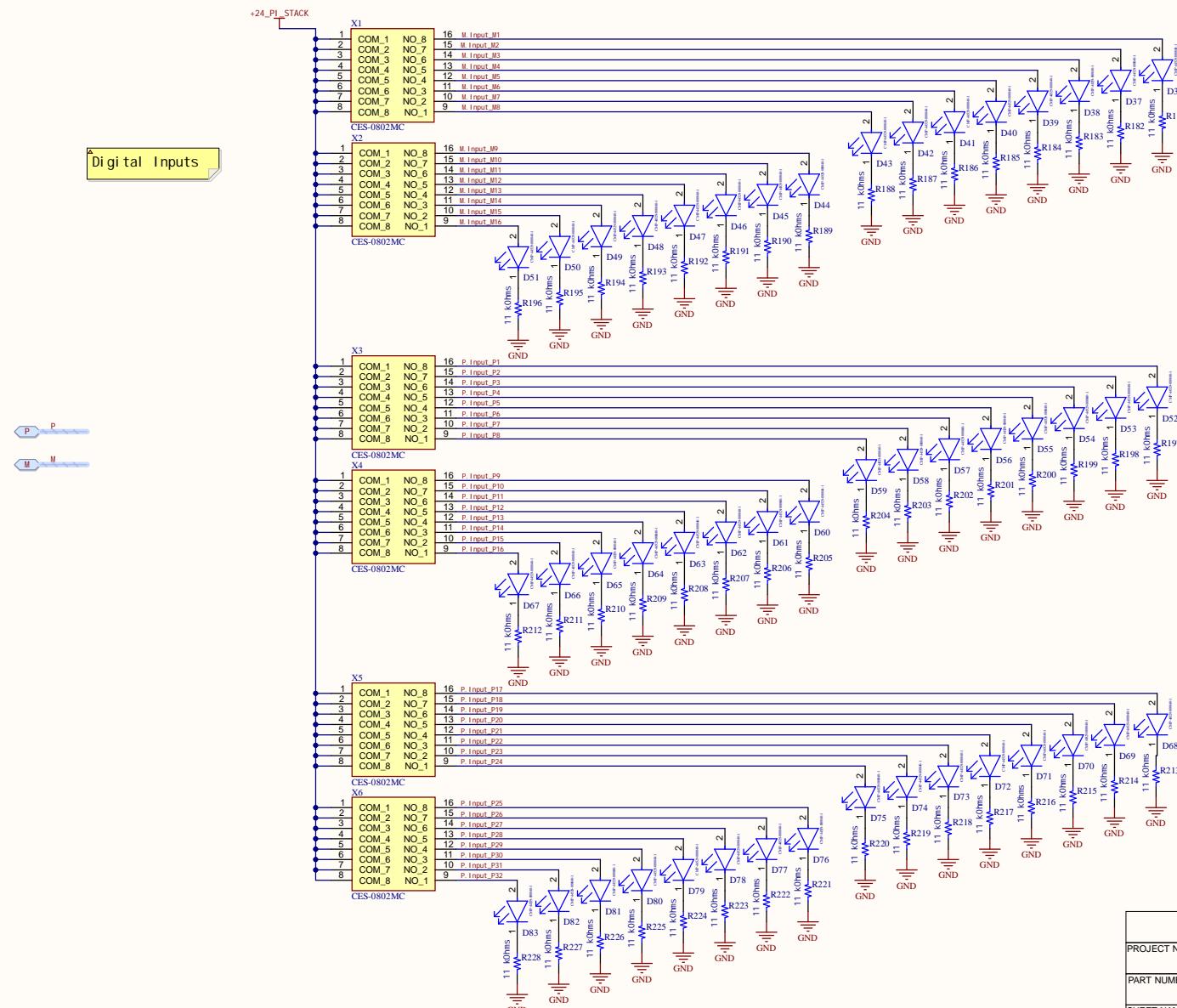


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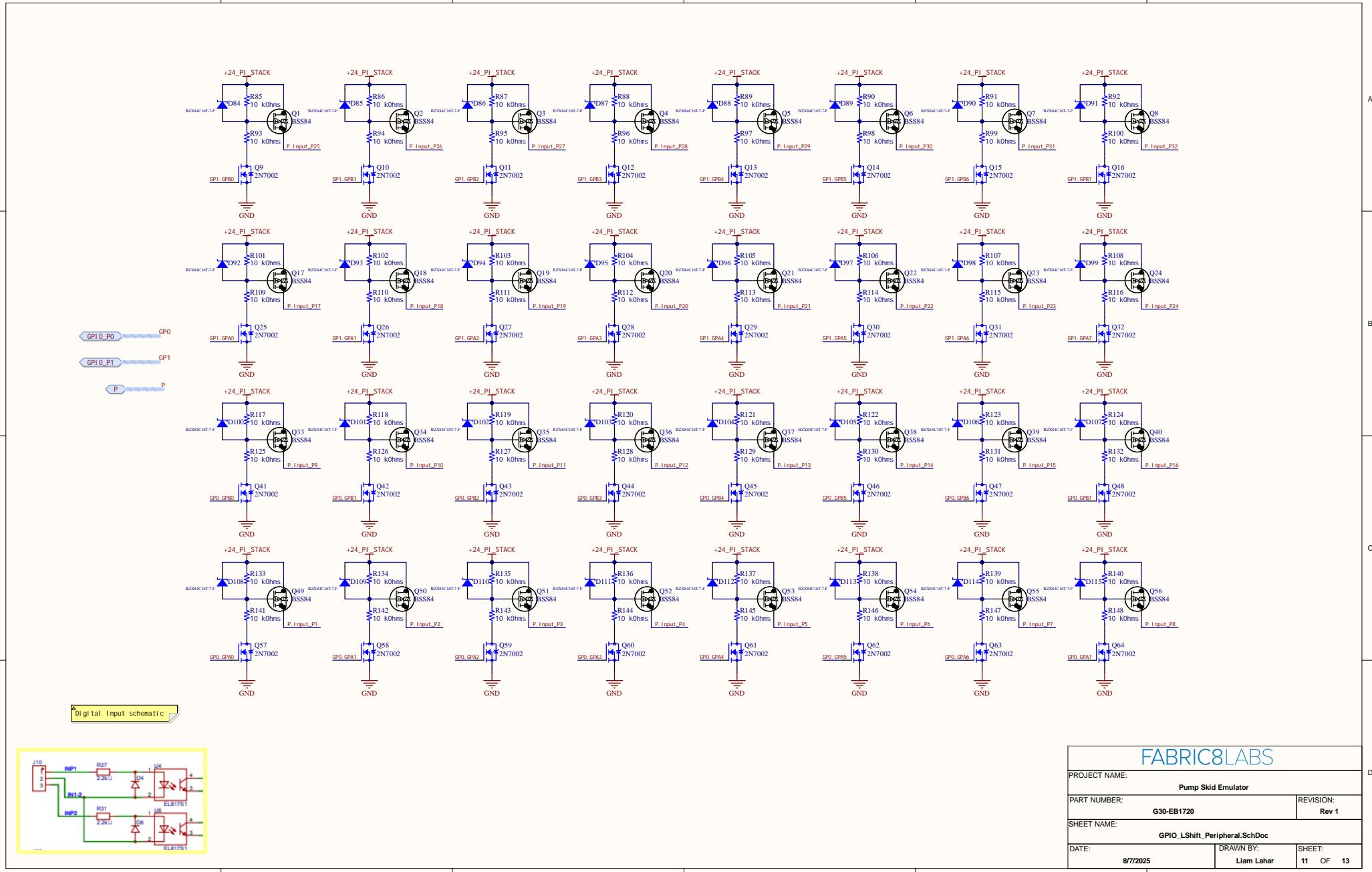


FABRIC8LABS

PROJECT NAME:	Pump Skid Emulator	
PART NUMBER:	G30-EB1720	REVISION: Rev 1
SHEET NAME:	Input_Connectors.SchDoc	
DATE:	8/7/2025	DRAWN BY: Liam Lahar
		SHEET: 9 OF 13



FABRIC8LABS		
PROJECT NAME:	Pump Skid Emulator	
PART NUMBER:	G30-EB1720	REVISION: Rev 1
SHEET NAME:	Input_Switches.SchDoc	
DATE:	8/6/2025	DRAWN BY: Liam Lahar
		SHEET: 10 OF 13



A

A

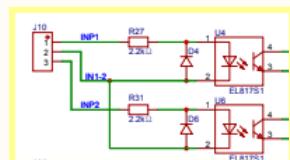
B

B

C

C

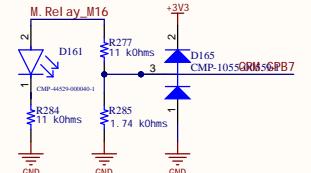
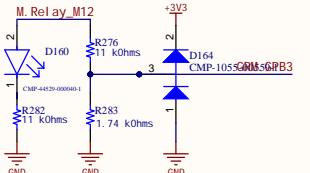
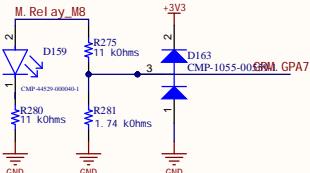
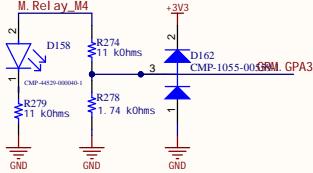
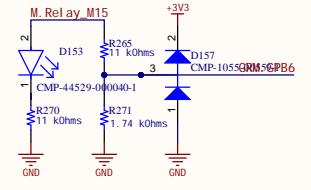
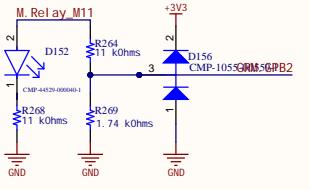
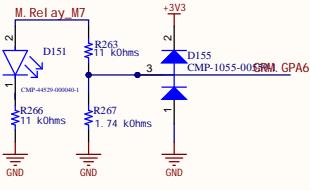
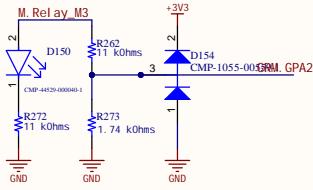
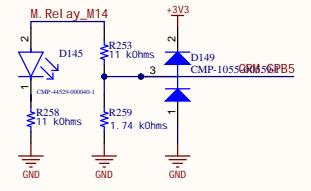
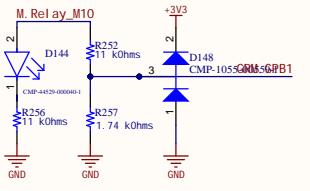
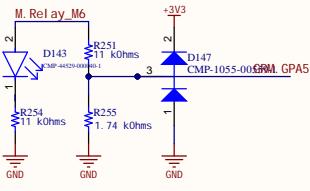
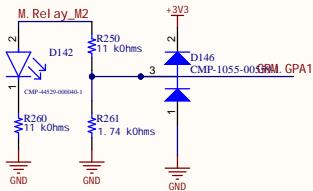
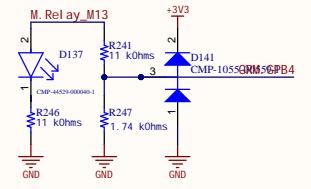
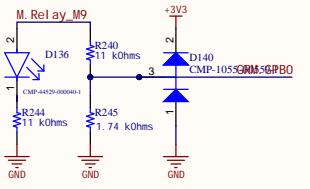
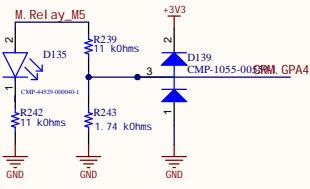
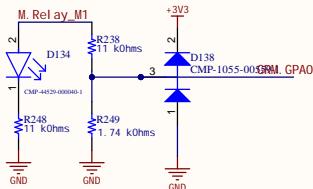
Digital Input schematic



## FABRIC8LABS

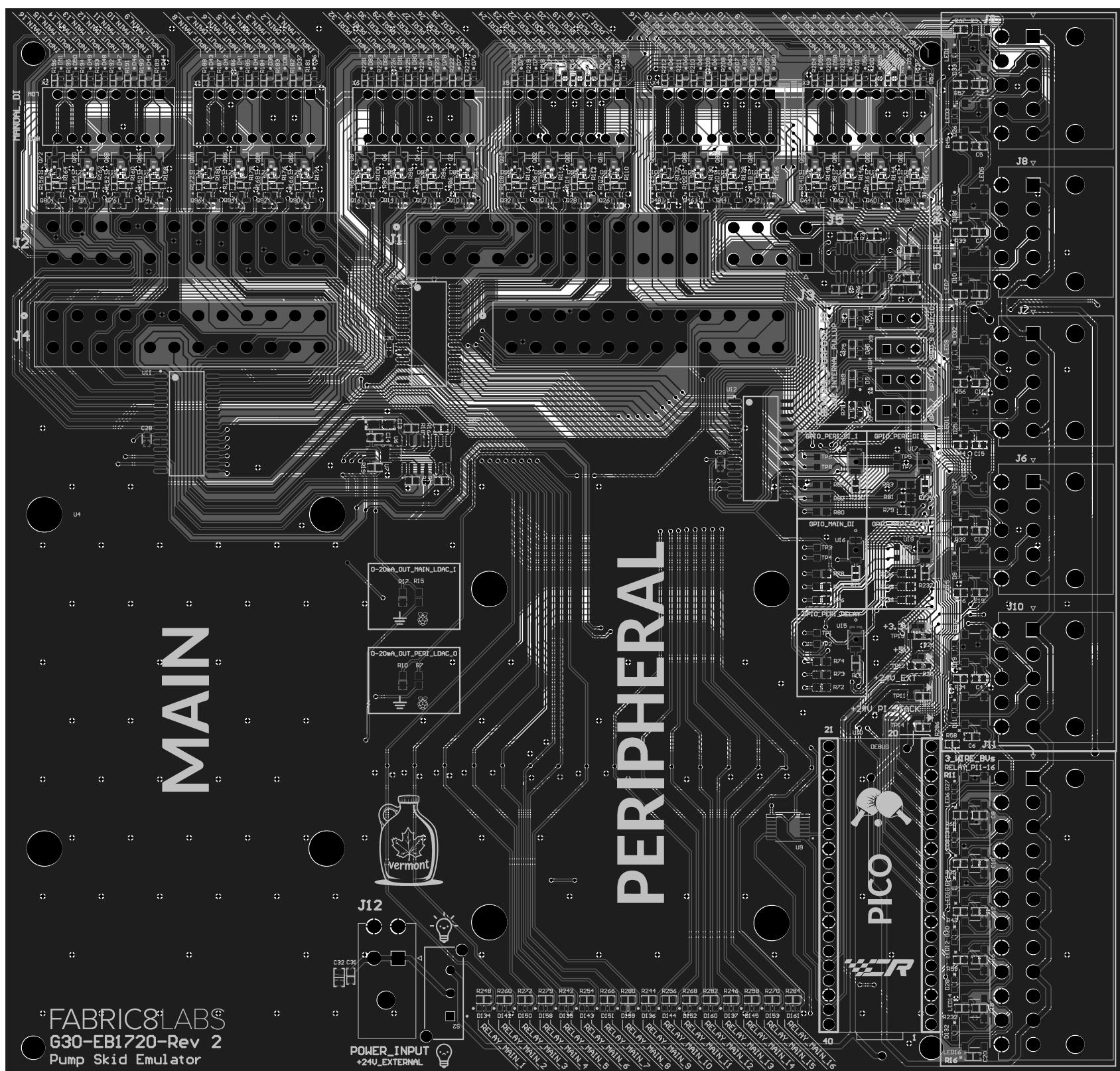
PROJECT NAME:	Pump Skid Emulator	
PART NUMBER:	G30-EB1720	REVISION: Rev 1
SHEET NAME:	GPIO_LShift_Main.SchDoc	
DATE:	8/7/2025	DRAWN BY: Liam Lahar SHEET: 12 OF 13

A



## FABRIC8LABS

PROJECT NAME:	Pump Skid Emulator	
PART NUMBER:	G30-EB1720	REVISION: Rev 1
SHEET NAME:	Relay_Perception_Main.SchDoc	
DATE:	8/6/2025	DRAWN BY: Liam Lahar
SHEET:	13	OF 13



FABRIC8LABS  
G30-EB1720-Rev 2  
Pump Skid Emulator